

Attorney's Docket No.:10559/225001/P8790/Intel Corporation

In the claims:

- Sub B1*
1. A method comprising:
verifying a use of a digital credential by a user of a
digital credential, at any of a plurality of different locations
where the digital credential can be used; and
storing a result of the verification in an activity log in
a central location that communicates with each of said plurality
of different locations; and
allowing specified users to access said result.
- a1*
2. (Original) The method of claim 1 further including
storing transaction information in the activity log.
3. (Original) The method of claim 2, wherein the
transaction information includes at least one of a message that
was signed using a digital signature key of the digital
credential, a value of a transaction, an online service, an
internet protocol (IP) address, a date of the transaction and a
time of the transaction.
4. (Original) The method of claim 1 further including
generating an activity report from the activity log, wherein the
activity report lists the stored verification results.

Attorney's Docket No.:10559/225001/P8790/Intel Corporation

5. (Original) The method of claim 4 further including associating a name to a digital signature key of the digital credential, wherein the activity report lists the name of the digital signature key.

6. (Original) The method of claim 4, wherein generating the activity report includes generating the activity report upon request by an owner of the digital credential.

7. (Original) The method of claim 4, wherein generating the activity report includes generating the activity report each time the digital credential is verified.

8. (Original) The method of claim 4, wherein generating the activity report includes generating a report periodically.

9. (Original) The method of claim 1 further including analyzing the activity log to detect misuse of the digital credential.

10. (Original) The method of claim 6, wherein generating the activity report includes listing activity for a plurality of digital signature keys associated with the owner.

Attorney's Docket No.:10559/225001/P8790/Intel Corporation

11. (Original) The method of claim 1 further comprising:
authorizing one or more delegates to use a delegated digital
credential to act on behalf of the owner of the digital
credential for specified functions, wherein verifying the use of
the digital credential includes determining whether the
delegated digital credential was authorized for the specific
use.

12. (Currently amended) The method of claim 4, wherein
generating an activity report includes activity reports of the
delegates of the user and wherein said allowing comprises
allowing said user to view all reports, but allowing each said
delegate to view only their own activity report, and not
allowing each said delegate to view reports for other delegates.

13. (Currently amended) An article comprising a computer-
readable medium having computer-executable instructions stored
thereon for causing a computer to:
verifying a use of a digital credential by a user of a digital
credential at any of a plurality of different locations where
the digital credential can be used; and

storing a result of the verification in an activity log in
a central location that communicates with each of said plurality
of different locations; and

Attorney's Docket No.: 10559/225001/P8790/Intel Corporation

allowing specified users to access said result.

14. (Original) The article of claim 13, wherein the computer-executable instructions cause the computer to store transaction information in activity log.

15. (Original) The article of claim 14, wherein the transaction information includes at least one of a message that was signed using a digital signature key of the digital credential, a transaction value, an online service processing the transaction, an internet protocol (IP) address of a computing device originating the transaction, the date of the transaction and the time of the transaction.

16. (Original) The article of claim 13, wherein the computer-executable instructions cause the computer to generate an activity report from the activity log, wherein the activity report lists the stored verification results.

17. (Original) The article of claim 16 and further including associating a name to a digital signature key of the digital credential, wherein the activity report lists the name of the digital signature key.

Attorney's Docket No.:10559/225001/P8790/Intel Corporation

18. (Currently amended) The article of claim 16, wherein the computer-executable instructions cause the computer to generate the activity report upon receiving a request by an owner of the digital credential, ~~periodically, or when the digital credential is verified~~ and wherein said allowing comprises allowing said user to view all reports, but allowing each said delegate to view only their own activity report, and not allowing each said delegate to view reports for other delegates.

19. (Original) The article of claim 13, wherein the computer-executable instructions cause the computer to analyze the activity log to detect misuse of the digital credential.

20. (Original) The article of claim 17, wherein the computer-executable instructions cause the computer to list in the activity report activity for a plurality of digital signature keys associated with the owner according to the name of the digital signature key.

21. (Original) The article of claim 20, wherein the computer-executable instructions cause the computer to authorize one or more delegates to use a delegated digital credential to act on behalf of the owner of the digital credential for

Attorney's Docket No.:10559/225001/P8790/Intel Corporation

specified functions and determine whether the delegated digital credential was authorized for the specific use.

22. (Original) The article of claim 21, wherein the computer-executable instructions cause the computer to generate activity reports of the delegates.

23. (Currently amended) A system comprising:
a server to verify digital credentials by a user of a digital credential at any of a plurality of different locations where the digital credential can be used; and
an activity log coupled to the server to store results from the verification in a central location that communicates with each of said plurality of different locations; and
a communication part, allowing specified users to access said results.

24. (Original) The system of claim 23, wherein the activity log is configured to store transaction information for each authentication result.

25. (Original) The system of claim 24, wherein the transaction information includes at least one of a digitally signed message, a date of the transaction, a value of the

Attorney's Docket No.:10559/225001/P8790/Intel Corporation

transaction, an online service requesting the authentication, an internet protocol (IP) address, a value of the transaction, and a time of the transaction.

26. (Currently amended) The system of claim 23, and further comprising an owner database to store information of an owner of the digital credential and owner-approved delegates and wherein said communication element allows said owner to view all reports, but allows each said delegate to view only their own report, and not reports for other delegates.

27. (Currently amended) An article comprising a computer-readable medium having data structures stored thereon comprising:

a first data field to store a result from an verification of a digital credential by a user of a digital credential at any of a plurality of different locations where the digital credential can be used; and

a plurality of data fields to store transaction information relating to each verification result in a central location that communicates with each of said plurality of different locations; and

a data access structure, allowing specified users to access said results.

Attorney's Docket No.: 10559/225001/P8790/Intel Corporation

28. (Original) The article of claim 27, wherein the plurality of data fields store at least one of a digitally signed message, a date of the transaction, a time of the transaction, a value of the transaction, an online service, an internet protocol (IP) address of a computing device originating the transaction, and goods or services involved in the transaction.

29. (Original) The article of claim 27, wherein the data structures further include a plurality of data fields to store owner and delegate information.

30. (Currently amended) A method comprising:
receiving information describing a use of a digital credential;
storing the use information in an activity log; and
generating an activity report based on activity log and wherein said communication element allows said owner to view all reports, but allows each said delegate to view only their own report, and not reports for other delegates.

Attorney's Docket No.: 10559/225001/P8790/Intel Corporation

31. (Original) The method of claim 30, wherein the use information includes transaction information.

32. (Original) The method of claim 30, wherein the use information includes verification information for the digital credential.

33. (Original) The method of claim 31, wherein the transaction information includes at least one of a message that was signed, a transaction value, an online service, an internet protocol (IP) address, a value of the transaction, a date of the transaction and a the time of the transaction.

34. (Original) The method of claim 30, wherein the digital credential includes a digital signature key, and further wherein generating the activity report includes associating a name to the digital signature key and listing the name of the digital signature key.

35. (Original) The method of claim 30, wherein generating the activity report includes generating the activity report upon request by an owner of the digital credential.

Attorney's Docket No.:10559/225001/P8790/Intel Corporation

36. (Original) The method of claim 30, wherein generating the activity report includes generating the activity report each time the digital credential is verified.

37. (Original) The method of claim 30, wherein generating the activity report includes generating a report periodically.

38. (Original) The method of claim 30 further including analyzing the activity log to detect misuse of the digital credential.

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39. (Currently amended) The method of claim 35, wherein generating the activity report includes listing activity for a plurality of digital signature keys associated with the owner and wherein said allowing comprises allowing said user to view all reports, but allowing each said delegate to view only their own activity report, and not allowing each said delegate to view reports for other delegates.

40. (Currently amended) The method of claim 30 further comprising:

authorizing one or more delegates to use a delegated digital credential to act on behalf of the owner of the digital credential for specified functions, wherein verifying the use of

Attorney's Docket No.: 10559/225001/P8790/Intel Corporation

the digital credential includes determining whether the delegated digital credential was authorized for the specific use and wherein said allowing comprises allowing said user to view all reports, but allowing each said delegate to view only their own activity report, and not allowing each said delegate to view reports for other delegates.

41. (Original) The method of claim 30, wherein generating an activity report includes activity reports of the delegates of the user.

42. (Currently amended) A method comprising:
storing use information for a digital credential of a plurality of delegates who are delegated to use said digital credential by an owner user;

processing the use information for each of said plurality of delegates to detect misuse; and

generating an alert to the owner when misuse is detected.

43. (Original) The method of claim 42, wherein generating an alert includes generating an activity report based on the use information.

Attorney's Docket No.: 10559/225001/P8790/Intel Corporation

44. (Original) The method of claim 42, wherein generating an alert includes alerting a credential service provider.

45. (Currently amended) The method of claim 42, wherein the use information includes transaction information and wherein said allowing comprises allowing said user to view all reports, but allowing each said delegate to view only their own activity report, and not allowing each said delegate to view reports for other delegates.

46. (Original) The method of claim 42, wherein the use information includes verification information for the digital credential.

47. (Original) The method of claim 45, wherein the transaction information includes at least one of a message that was signed, a transaction value, an online service, an internet protocol (IP) address, a value of the transaction, a date of the transaction and a time of the transaction.

48. (Currently amended) A method comprising:
receiving transaction requests from a plurality of delegate users who are delegated from an owner, wherein the transaction requests include digital credentials for the delegate users;

Attorney's Docket No.: 10559/225001/P8790/Intel Corporation

processing the transaction requests; and
communicating transaction information to a central service,
wherein the transaction information includes the digital
credentials of the delegate, and wherein said allowing comprises
allowing said user to view all reports, but allowing each said
to view only their own activity report, and not allowing each
said delegate to view reports for other delegates users.

49. (Original) The method of claim 48, wherein processing
the transaction requests includes communicating the digital
credentials to the central service for verification.

50. (Original) The method of claim 48, wherein processing
the requested transaction includes:

verifying the digital credential; and
communicating a result of the verification to the credential
service.

51. (Original) The method of claim 48 further including
receiving a activity report from the central service, wherein
the activity report lists the transaction information for each
digital credential.

Attorney's Docket No.:10559/225001/P8790/Intel Corporation

52. (Original) The method of claim 48, wherein the transaction information includes at least one of a message that was signed, a transaction value, an online service, an internet protocol (IP) address, a value of the transaction, a date of the transaction and a the time of the transaction.

53. (Currently amended) A method comprising:

receiving a request from a medical professional to access medical information at a remote location, wherein the request includes a digital credential for the medical professional;

communicating transaction information describing the access request and the digital credential to a credential verification service;

receiving a verification result from the credential verification service;

providing the medical professional access to the medical information based on the verification result; and

receiving an activity report from the credential verification service, wherein the activity report list the transaction information, the digital credential and the transaction result.

Attorney's Docket No.:10559/225001/P8790/Intel Corporation

54. (Original) The method of claim 53, wherein the transaction information includes at least an access type, a date of the transaction and a time of the transaction.

55. (Original) The method of claim 53, further wherein the digital credential was provided by a credential issuing service and a credential service provider.

56. (Original) The method of claim 53, and further including:

receiving a request to access the activity report from an owner of the digital credential; and
providing the owner access to the activity report.